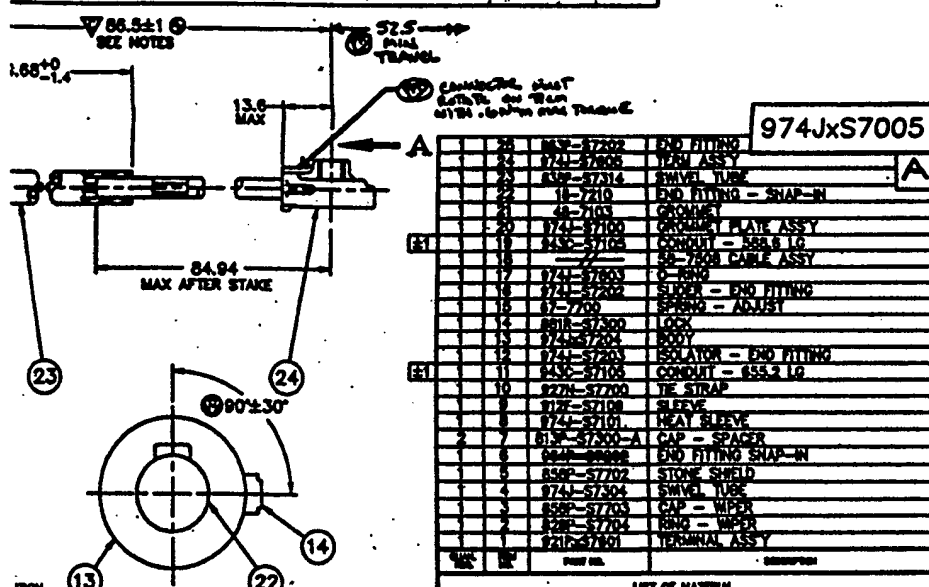







BEST AVAILABLE COPY



A		974JxS7005	
	24	85Z-57202	END FITTING
	23	874-57202	IRN ASSY
	22	85Z-57314	SWIVEL TUBE
	21	18-7210	END FITTING - SNAP-IN
	20	48-7103	CONDUIT
	19	874-57100	CONDUIT PLATE ASSY
	18	843Z-57104	CONDUIT - 855.2 LG
	17	58-7208	CABLE ASSY
	16	874-57203	C-ROD
	15	874-57202	SLIDER - END FITTING
	14	67-7700	SPRING - ADJUST
	13	8818-57300	LOCK
	12	874-57204	BOOT
	11	874-57203	ISOLATOR - END FITTING
	10	843Z-57105	CONDUIT - 855.2 LG
	9	827Z-57200	THE STRAP
	8	81Z-57108	SLEEVE
	7	874-57101	HEAVY SLEEVE
	6	81Z-57300-A	CAP - SPACER
	5	843Z-57208	END FITTING SNAP-IN
	4	85Z-57702	SWING SHIELD
	3	874-57304	SWIVEL TUBE
	2	85Z-57703	CAP - WIPER
	1	81Z-57704	RING - WIPER
	0	821Z-57101	TERMINAL ASSY

ENGINEERING  
AUG 12 1994

<b>METRIC</b> DIMENSIONS ARE IN MILLIMETERS DIMENSIONS SHOWN IN BRACKETS		FULL:   21 JUN 94	
ANY CHANGE IN PROCESS OR EQUIPMENT REQUIRED FROM ENGINEER APPROVAL		SEE DETAILS & NOTED	
 WORKS SUPERVISOR/PROCESS REQUIRED  WORKMAN & MACHINIST REQUIRED  WORKMAN & SPECIALTY REQUIRED		ASSY-TRANS CONT SHIFT	
TELETYPE OR TELETYPE SYMBOLS N OR N/A & — N/A & — N/A & — N/A & —		974JxS7005	

EX 38

**T 68594**  
**CONFIDENTIAL**

MIN ANGULAR MOVEMENT IN ALL DIRECTIONS WITH 0.5 N MAX LOAD APPLIED @ TERMINAL HOLE AND TERMINAL @ 90° POSITION. TYP BOTH ENDS.

APPLY GREASE NYE 741-B TO ITEM 2 & 3

158.58 GAUGE

77.73  $+0$   $-1.4$

15.2 MAX

9.4 COND INS

95.10 MAX AFTER STAKE

61.40/11.87 PSA 022.5 K.M.E = 5K

5° CONICAL MIN

CONNECTOR MUST ROTATE ON TERM WITH .4 N-M MAX TORQUE

MUST WITHSTAND 22 N MIN PULL-OFF

400 ±12

168/80

9.4 COND INS

43.25/3.30 (128/130) 1 X 7 ST STL

69.40/11.87 PSA 022.5 K.M.E = 5K

8.76 00 X 3.40 ID (134)

YEAR

DAY Y

HOT FOIL STAMP JULIAN DAY OF MFG IN WHITE THIS AREA

LUBRICATE PULL LENGTH WITH A MED COAT OF CLE-101 SEE NOTES

JACKET-NYLON LINER-TYPE NYLON-LAM LAYUPRED-12-4.88 (028)

STAMP CUSTOMER PART No THIS AREA

NOTES:

- PROCESS CONDUIT PER 1300-7100 BOTH ENDS.
- CONDUIT & END FITTINGS MUST WITHSTAND 448 N TENSION & COMPRESSION WITHOUT SLIPPING OR CRACKING.
- TERMINAL & CORE MUST WITHSTAND 880 N PULL WITHOUT SLIPPING, YIELDING OR CRACKING.
- CONSTRUCTION STRENGTH & INTEGRITY - WHEN ROUTED IN INSTALLED POSITION SHOWN BY CUSTOMER DRAWING, ASSEMBLY MUST WITHSTAND A TENSILE LOAD OF 880 N @ A COMPRESSIVE LOAD OF 180 N. NO YIELDING, PERMANENT DEFORMATION OR CRACKS ARE PERMISSIBLE FOR EITHER MODE. NOT MORE THAN 3 COLLECTION IS PERMISSIBLE FOR THE COMPRESSION MODE AT 2 AND OPPOSITE END GAGED AND FIXED AT 111.8. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH OF 2.5 FOR A 17.8 N PUSH AND PULL LOAD AT 22.5°C AFTER 80,000 CYCLES.
- LIFECYCLE BACKLASH - DEVIATION & TOLERANCE MARKED (5) IS TO BE QUALIFIED @ 133.08 WITH CONTROL ROUTED IN INSTALL POSITION FOR A 17.8 N PUSH AND PULL LOAD AT 22.5°C AND 0 CYCLES.
- OPERATION EFFORTS - WHEN ROUTED IN INSTALLED POSITION THE FREE STATE EFFORT REQUIRED TO MOVE THE CORE THROUGH ITS STROKE SHALL NOT EXCEED 12.3 N AT 22.5°C.
- DURABILITY - IN INSTALLED POSITION, ASSEMBLY MUST CYCLE THROUGH MIN SPECIFIED TRAVEL FOR 80,000 CYCLES AT -40°C WITH AN OUTPUT LOAD OF 88 N WITHOUT FAILURE OF ANY PHYSICAL PART OR EXCEEDING DIMENSIONAL SPECIFICATIONS.
- CONTROL MUST OPERATE AND MAINTAIN MECHANICAL AND PERFORMANCE CRITERIA FOR A TEMP RANGE OF 40°C TO 92°C.
- TRANS END FITTING MUST SNAP INTO 28.98/2.50 THK AND APPROPRIATELY KEYED 30.30/28.90 DIA PLATE WITH MAX 2.1.
- 130 N FORCE AND MUST WITHSTAND 480 N MINIMUM PULL/OUT LOAD.
- FLOOR/COLUMN END FITTING MUST SNAP INTO 2.50/2.50 THK AND APPROPRIATELY KEYED 30.30/28.90 DIA PLATE WITH MAX 2.1.
- CABLE MUST BE CLEAN AND FREE OF DIRT AND OTHER FOREIGN MATERIAL PRIOR TO APPLICATION OF LUBE AND INSERTION INTO CONDUIT ASSEMBLY.